

# CIRCUIT AND METHOD OF CONTROLLING VEHICLE BATTERY CHARGES

## Abstract

Management system for a vehicle with two batteries and method that encompasses a battery (B1) that feeds network charges (1) connected to one of its terminals (2), a generator (G) in the mentioned network (1), a battery (B2) for a secondary network (3) and start-up functions, and a BCO2 controlled switch which depending on the status of the charge of (B1) and (B2) and the demands of charges  $C_1$ ,  $C_2$  from networks (1) and (3), enables current flow between networks (1) and (3) in any direction, including a power barrier diode (4) That bridges the mentioned BCO2 switch providing a current flow smaller than the one flowing through the BCO2, when it is closed, and also smaller than the current going from the generator (G) to battery (B1). This method provides energy transference between batteries (B1) and (B2).